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PENNSYLVANIA EMPLOYMENT AND EARNINGS

A STATEWIDE SUMMARY OF
LEVELS, TRENDS AND
TURNOVER RATES

OCTOBER 1981
Vol. XXVI No. 10

JOB SERVICE

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF LABOR AND INDUSTRY OFFICE OF EMPLOYMENT SECURITY
BUR 652 REV 8-81 In cooperation with the United States Bureau of Labor Statistics

– EXPLANATORY –

INDUSTRY EMPLOYMENT

Employment data refer to persons on establishment payrolls who received pay for any part of the pay period which includes the 12th of the month. The data exclude proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers in households. Salaried officers of corporations are included. Government employment covers only civilian employees; Federal military personnel are excluded from the estimates of total nonagricultural employment.

Persons on an establishment payroll who are on paid sick leave (when pay is received directly from the firm), on paid holiday or paid vacation, or who work during any part of the pay period and are unemployed or on strike during the rest of the period, are counted as employed. Not counted as employed are persons who, during the pay period which includes the 12th, are laid off, on leave without pay or on strike for the entire period, or who are hired but do not report to work during the period.

INDUSTRY HOURS AND EARNINGS

Hours and earnings data are derived from reports of payroll and man-hours for production and related workers in mining and manufacturing, construction workers in contract construction, and nonsupervisory employees in all other industries in the private sector. When the reported pay period exceeds one week, the payroll and man-hour figures are reduced to a weekly basis.

AVERAGE HOURLY AND WEEKLY EARNINGS

Average hourly earnings for manufacturing and nonmanufacturing industries are on a "gross" basis, reflecting not only changes in basic hourly rates, but also such variable factors as premium pay for overtime and shift work, and changes in output of workers paid on an incentive plan. Excluded from average earnings are: irregular bonuses, retroactive items, payments of various welfare benefits, and payroll taxes paid by employers.

THE "LINK RELATIVE" TECHNIQUE

From a sample of establishments, which reported for both the previous and current months, the ratio of current month employment to that of the previous month is computed. The estimates of employment for the current month are obtained by multiplying the estimates for the previous month by these "link relatives ".

At the aggregate industry-level, i.e., divisions and groups, employment is the sum of the employment estimates for component industries. Annual average employment is the sum of the monthly estimates divided by 12.

Each year employment estimates are compared with comprehensive counts of employment, which provide annual "benchmarks" for the various industries defined as nonagricultural, and appropriate adjustments are made as indicated. The primary source of benchmark information is the employment data, by industry, compiled quarterly by State agencies from reports of establishments covered under State unemployment insurance laws.

LABOR TURNOVER RATES

Labor Turnover rates for manufacturing industries are computed by dividing totals of each turnover item by the total employment in all establishments. These rates are multiplied by 100, rounded to one decimal place, and published as rates of turnover per 100 employees.

This report is prepared by the Research and Statistics Division.
Refer queries, in writing, to:
PENNSYLVANIA OFFICE OF EMPLOYMENT SECURITY
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PENNSYLVANIA EMPLOYMENT AND EARNINGS

SEPTEMBER 1981

Total unemployment in Pennsylvania increased in September. With and without seasonal adjustments, the jobless rate stood at 8.2 percent of the civilian labor force.

Seasonally adjusted, the volume of unemployment jumped 26,000 to a level of 443,000, pushing the rate up six-tenths of a point from August's 7.6 percent. This was a reversal of the July and August trends when summer employment opportunities gave the job market a bit of a nudge. Additional cutbacks in orders for manufactured goods and the persistent sluggishness in housing starts have contributed to this continued erosion of the job situation.

Seasonal influences apart, the volume of unemployment climbed to 441,000, an increase of 14,000 over August. The rate rose to 8.2 percent from August's 7.7. A year ago, unemployment totalled 427,000 and the unemployment rate was 7.9 percent.

Nationwide, the September seasonally adjusted rate was 7.5 percent, up from 7.2 percent in August. The unadjusted rate was 7.3 percent, up slightly from 7.2 percent in August.

FACTORY JOBS SHOW LITTLE GAIN

Factory jobs were scarce in September. The 1,309,000 count for all Pennsylvania manufacturing industries represented a mere 2,600 increase over August. Normal seasonal changes, coupled with current economic restrictions, were largely responsible for these limited advances. Only the APPAREL industry, with a gain of 1,900 jobs, showed any distinctly encouraging sign. Job gains were also reported in the ELECTRICAL EQUIPMENT industry, in TRANSPORTATION EQUIPMENT, MISCELLANEOUS MANUFACTURERS, TEXTILES, FURNITURE, TOBACCO and LEATHER but the numbers were inconsequential. PAPER and PRINTING remained unchanged over the month. All other industries indicated job cutbacks ranging from one to five hundred. Dwindling demand for manufactured goods, especially durables, has effectively kept the lid on manufacturing job opportunities for more than a year now even though total factory jobs are slightly higher than a year ago.

PRODUCTION TIME DIPS SLIGHTLY

Factory production hours slowed down in September while average hourly earnings continued to increase. The state's 931,000 production workers averaged $8.48 an hour for a 39.1 hour workweek. Down eighteen minutes, the production workweek equalled the low for 1981 which occurred in July. On the basis of past experience, declines in the workweek usually precede later reductions in employment.

PETROLEUM and PRIMARY METALS were the only industries reporting increases in working time. PETROLEUM, citing increased overtime hours, posted a 1.8 hour gain and an additional nineteen cents per hour. PRIMARY METALS and MISCELLANEOUS MANUFACTURERS registered fifteen cents and fourteen cents an hour gains, respectively.

Nationwide the average hourly earnings for factory workers in September was $8.15 for a 39.3 hour workweek. This reflects an over-the-month drop of one-half hour in the workweek and an increase of thirteen cents an hour.

DISPUTES AFFECT NONFACTORY JOB COUNTS

In the nonmanufacturing sector, job cutbacks continued for the third consecutive month. The overriding factor in the over-the-month decline of 17,600 positions, was the Philadelphia City School strike, affecting approximately 21,000 workers. In the private sector, CONSTRUCTION fell off seasonally (-4,600) but was offset by a 6,600 gain in TRANSPORTATION. Comparing year ago job totals, SERVICES, FINANCE and MINING are running slightly ahead but all other industries, notably RETAIL TRADE and CONSTRUCTION, are lagging behind and are the most significant elements in the nearly 38,000 nonmanufacturing job deficit reflected over the twelve-month period.

The chart on Page 16 provides a concise view of the changing job patterns over the past four years.

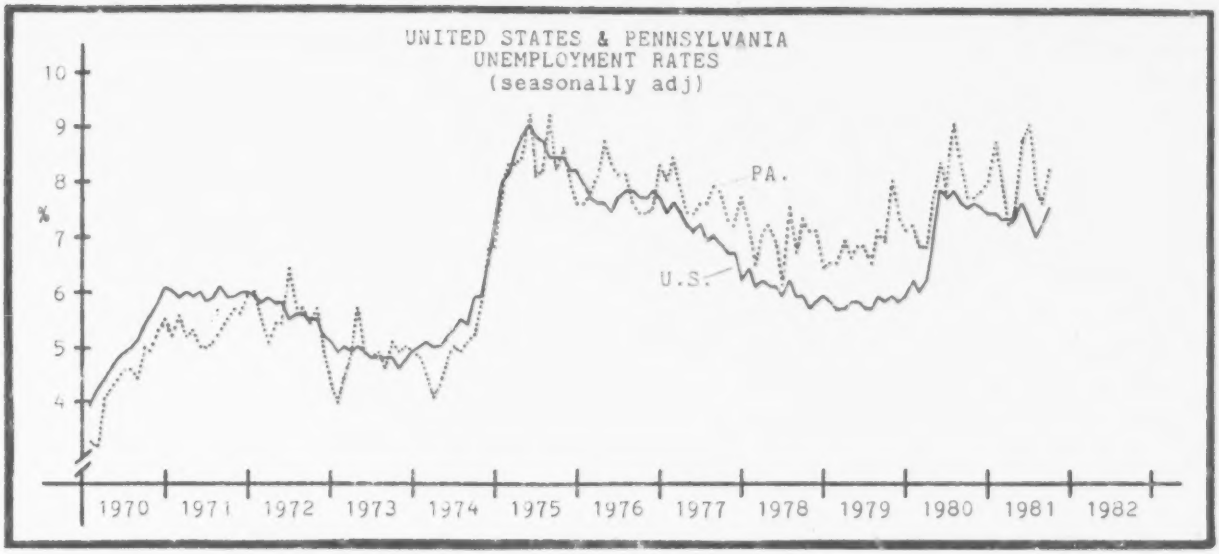

Table 1. Resident Employment, Unemployment and Unemployed Rate
(Thousands)

Year	PENNSYLVANIA Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %	UNITED STATES Civilian Labor Force	Employment	Unemployment	Rate %	Seasonally Adjusted Rate %
1967	4,637	4,467	170	3.7		77,347	74,372	2,975	3.8	
1968	4,634	4,475	159	3.4		78,737	75,920	2,817	3.6	
1969	4,720	4,566	154	3.3		80,734	77,902	2,832	3.5	
1970	4,828	4,610	218	4.5		82,715	78,627	4,088	4.9	
1971	4,801	4,542	260	5.4		84,113	79,120	4,993	5.9	
1972	4,870	4,607	264	5.4		86,542	81,702	4,840	5.6	
1973	4,988	4,747	241	4.8		88,714	84,409	4,304	4.9	
1974	5,036	4,778	258	5.1		91,011	85,935	5,076	5.6	
1975	5,068	4,646	421	8.3		92,613	84,783	7,830	8.5	
1976	5,094	4,690	404	7.9		94,773	87,485	7,288	7.7	
1977	5,165	4,767	398	7.7		97,401	90,546	6.855	7.0	
1978	5,255	4,891	364	6.9		100,420	94,373	6,047	6.0	
1979	5,296	4,930	366	6.9		102,908	96,945	5,963	5.8	
1980	5,368	4,950	417	7.8		104,719	97,270	7,448	7.1	
1980 Sep.	5,382	4,954	427	7.9	8.0	104,720	97,256	7,464	7.1	7.4
Oct.	5,447	5,031	416	7.6	7.7	105,415	97,933	7,482	7.1	7.6
Nov.	5,440	5,028	412	7.6	7.9	105,287	97,801	7.486	7.1	7.5
Dec.	5,341	4,938	403	7.5	8.0	104,778	97,545	7,233	6.9	7.4
1981 Jan.	5,366	4,876	490	9.1	8.7	104,671	96,128	8,543	8.2	7.4
Feb.	5,324	4,867	456	8.6	8.0	104,808	96,383	8,425	8.0	7.3
Mar.	5,420	4,993	426	7.9	7.2	105,405	97,318	8,087	7.7	7.3
Apr.	5,344	4,975	370	6.9	7.3	105,678	98,282	7,396	7.0	7.3
May	5,398	4,979	419	7.8	8.7	106,347	98,803	7.545	7.1	7.6
Jun.	5,447	4,943	505	9.3	9.0	107,621	99,341	8,279	7.7	7.3
Jul.	5,544	5,095	448	8.1	7.9	108,408	100,474	7,934	7.3	7.0
Aug.	5,530	5,103	427	7.7	7.6	107,771	100,013	7,758	7.2	7.2
Sep.	5,394	4,953	441	8.2	8.2	105,964	98,277	7,687	7.3	7.5

DATA IN THIS PUBLICATION ARE ARRANGED ACCORDING TO THE 1972 STANDARD INDUSTRIAL CLASSIFICATION MANUAL. EMPLOYMENT DATA, BEGINNING WITH 1979, ARE BENCHMARKED TO FIRST QUARTER 1980. PRIOR YEARS ARE NOT, THEREFORE, STRICTLY COMPARABLE.

On all tables the most recent month's data are preliminary. They are subject to revision.

TABLE 2. TOTAL CIVILIAN LABOR FORCE, UNEMPLOYMENT AND EMPLOYMENT IN PENNSYLVANIA

RESIDENT DATA	Total – All Persons (In thousands)			Net Change From–	
	Sept. 1981	Aug. 1981	Sept. 1980	Aug. 1981	Sept. 1980
TOTAL CIVILIAN LABOR FORCE	5,394.0	5,530.0	5,382.0	-136.0	12.0
TOTAL UNEMPLOYMENT (UNADJUSTED)	441.0	427.0	427.0	14.0	14.0
% CIVILIAN LABOR FORCE	8.2	7.7	7.9	0.5	0.3
TOTAL UNEMPLOYMENT (SEASONALLY ADJUSTED)	443.0	415.0	430.0	28.0	13.0
% CIVILIAN LABOR FORCE	8.2	7.6	8.0	0.6	0.2
TOTAL EMPLOYMENT	4,953.0	5,103.0	4,954.0	-150.0	-1.0

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT

ESTABLISHMENT DATA	Total – All Jobs (Thousands)			Net Change From–	
	Sept. 1981	Aug. 1981	Sept. 1980	Aug. 1981	Sept. 1980
TOTAL NONAG. WAGE & SALARY EMPLOYMENT #	4,699.4	4,691.7	4,737.1	7.7	-37.7
LABOR-MANAGEMENT DISPUTES	25.4	2.7	33.4	22.7	-8.0
ALL MANUFACTURING INDUSTRIES	1,309.0	1,306.4	1,300.8	2.6	8.2
TOTAL NONMANUFACTURING INDUSTRIES	3,365.0	3,382.6	3,402.9	-17.6	-37.9
Mining	52.1	51.6	49.8	0.5	2.3
Anthracite	3.7	3.7	3.5	0.0	0.2
Bituminous	38.7	38.2	36.9	0.5	1.8
Nonmetallic minerals	4.6	4.6	4.9	0.0	-0.3
Contract Construction	192.6	197.2	203.8	-4.6	-11.2
General building	53.5	53.2	55.2	0.3	-1.7
Heavy construction	39.5	40.3	42.6	-0.8	-3.1
Special trades	99.6	103.7	106.0	-4.1	-6.4
Transportation	149.1	142.5	159.9	6.6	-10.8
Railroads	38.8	38.8	41.9	0.0	-3.1
Public Utilities	102.6	104.0	100.5	-1.4	2.1
Communications	53.3	53.6	54.8	-0.3	-1.5
Electric, gas & sanitary service	49.3	50.4	45.7	-1.1	3.6
Electric systems	24.7	24.8	21.8	-0.1	2.9
Gas production	9.6	10.2	9.1	-0.6	0.5
Wholesale trade	242.5	242.9	244.5	-0.4	-2.0
Retail trade	723.1	721.5	743.6	1.6	-20.5
General merchandise stores	113.2	112.6	116.5	0.6	-3.3
Department stores	99.7	99.2	102.8	0.5	-3.1
Finance, insurance & real estate	240.7	242.9	237.5	-2.2	3.2
Banking	81.2	81.8	79.2	-0.6	2.0
Commercial & stock savings	74.7	75.2	72.8	-0.5	1.9
Credit agencies & securities	30.8	30.9	30.4	-0.1	0.4
Insurance	70.3	70.6	69.7	-0.3	0.6
Life insurance	27.1	27.2	26.7	-0.1	0.4
Fire, marine & casualty	29.1	29.3	28.9	-0.2	0.2
Services	989.0	987.5	982.2	1.5	6.8
Business services	136.6	139.1	132.2	-2.5	4.4
Health services	331.2	332.5	321.1	-1.3	10.1
Nursing & personal care	51.0	51.7	51.1	-0.7	-0.1
Hospitals	205.8	206.3	196.3	-0.5	9.5
Educational service	105.4	92.2	117.1	13.2	-11.7
Miscellaneous services	48.6	48.7	47.8	-0.1	0.8
Engineering & architectural	30.7	31.0	30.6	-0.3	0.1
Government	673.3	692.5	681.1	-19.2	-7.8
Federal	130.9	132.4	129.6	-1.5	1.3
State & local	542.4	560.1	551.5	-17.7	-9.1

TABLE 3. TOTAL NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN PENNSYLVANIA BY MAJOR INDUSTRY DIVISIONS
(Thousands)

Year and Month	Total Nonagr. Wage & Salary	Private Sector Wage & Salary	All Manufacturing	Total Non-Manufacturing	Mining	Contract Construction	Trade		
							Total	Wholesale	Retail
1968	4,263.5	3,675.3	1,570.0	2,693.4	38.0	190.2	779.0	197.5	581.5
1969	4,374.9	3,765.6	1,588.9	2,786.1	38.6	198.5	806.3	201.7	604.7
1970	4,351.6	3,732.9	1,528.8	2,822.8	39.5	192.0	816.5	203.2	613.3
1971	4,291.3	3,662.2	1,438.1	2,853.3	38.0	189.0	828.8	203.3	625.5
1972	4,400.0	3,748.1	1,444.0	2,956.0	40.2	203.1	855.3	206.8	648.5
1973	4,506.5	3,847.7	1,480.1	3,026.4	39.7	205.9	886.5	212.5	674.0
1974	4,514.6	3,832.6	1,464.5	3,050.1	42.1	200.6	879.0	213.4	665.6
1975	4,435.8	3,714.4	1,334.8	3,101.0	46.1	184.5	886.8	216.1	670.8
1976	4,512.8	3,790.7	1,335.2	3,177.5	48.3	180.3	919.3	220.7	698.6
1977	4,565.2	3,854.3	1,314.9	3,223.3	48.0	183.9	938.9	221.7	717.2
1978	4,719.6	3,995.6	1,367.8	3,351.7	46.8	200.1	983.7	230.8	752.9
1979	4,806.8	4,086.1	1,386.7	3,420.1	51.7	204.2	992.5	239.4	753.1
1980	4,753.0	4,025.2	1,328.0	3,424.9	49.5	190.3	988.9	244.5	744.4
1980 Sep.	4,703.7	4,022.6	1,300.8	3,402.9	49.8	203.8	988.1	244.5	743.6
Oct.	4,764.6	4,037.9	1,308.7	3,455.9	49.0	203.9	998.8	245.6	753.2
Nov.	4,772.9	4,039.6	1,310.1	3,462.8	50.1	195.5	1,006.6	246.2	760.4
Dec.	4,765.0	4,028.2	1,310.4	3,454.6	49.5	181.1	1,014.0	246.6	767.4
1981 Jan.	4,657.9	3,935.1	1,300.2	3,357.7	48.9	156.8	974.9	244.9	730.0
Feb.	4,661.6	3,926.3	1,296.7	3,364.9	48.8	157.2	964.9	243.3	721.6
Mar.	4,684.0	3,948.4	1,296.3	3,387.7	48.4	165.8	968.7	242.6	726.1
Apr.	4,694.9	3,961.2	1,301.3	3,393.6	* 27.5	177.7	976.8	243.6	733.2
May	4,710.2	3,973.7	1,299.3	3,410.9	* 26.2	181.4	983.3	243.3	740.0
Jun.	4,743.2	4,011.9	1,309.0	3,434.2	50.3	190.3	975.5	244.4	731.1
Jul.	4,688.2	3,988.4	1,298.9	3,389.3	51.4	195.8	966.7	242.7	724.0
Aug.	4,689.0	3,996.5	1,306.4	3,382.6	51.6	197.2	964.4	242.9	721.5
Sep.	4,674.0	4,000.7	1,309.0	3,365.0	52.1	192.6	965.6	242.5	723.1

Year and Month	Transportation	Public Utilities	Finance, Insurance & Real Estate	Services and Miscellaneous			Government		
				Total	Hospitals	Other Services	Total	Federal	State & Local
1968	INA	INA	177.7	651.8	INA	INA	588.1	147.5	440.7
1969	INA	INA	183.1	682.6	INA	INA	609.4	146.5	462.8
1970	INA	INA	189.9	698.8	INA	INA	618.7	145.4	473.3
1971	INA	INA	193.7	709.9	INA	INA	629.2	138.5	490.7
1972	161.3	104.7	200.5	739.0	148.2	590.8	651.9	137.6	514.4
1973	161.6	105.5	206.5	762.1	151.9	610.2	658.7	136.4	522.4
1974	161.1	104.4	207.3	773.6	154.9	618.7	682.0	136.6	545.4
1975	154.0	102.5	207.3	798.5	159.8	638.7	721.4	134.4	587.0
1976	155.4	101.1	211.4	839.7	165.5	674.2	722.1	131.7	590.4
1977	160.9	100.7	217.5	862.5	171.1	691.4	710.9	128.1	582.8
1978	165.7	100.9	226.6	903.9	177.9	726.0	724.1	129.5	594.5
1979	170.7	101.7	233.7	945.0	185.3	759.7	720.7	130.8	589.9
1980	160.9	101.8	236.7	969.1	194.2	774.9	727.7	133.5	594.2
1980 Sep.	159.9	100.5	237.5	982.2	196.3	785.9	681.1	129.6	551.5
Oct.	158.9	103.2	238.2	977.2	196.8	780.4	726.7	128.6	598.1
Nov.	158.7	103.2	238.4	977.0	197.4	779.6	733.3	129.4	603.9
Dec.	156.9	103.0	238.1	975.2	197.7	777.5	736.8	128.5	608.3
1981 Jan.	152.4	102.9	238.0	961.0	198.5	762.5	722.8	128.7	594.1
Feb.	153.9	102.1	237.6	965.1	199.0	766.1	735.3	128.3	607.0
Mar.	152.8	102.5	237.9	976.0	200.0	776.0	735.6	128.7	606.9
Apr.	152.4	102.0	239.4	984.1	200.6	783.5	733.7	129.3	604.4
May	150.9	102.1	240.9	989.6	201.7	787.9	736.5	130.4	606.1
Jun.	150.3	103.3	243.2	990.0	205.2	784.8	731.3	132.3	599.0
Jul.	142.3	103.8	243.7	985.8	205.7	780.1	699.8	133.3	566.5
Aug.	142.5	104.0	242.9	987.5	206.3	781.2	692.5	132.4	560.1
Sep.	149.1	102.6	240.7	989.0	205.8	783.2	673.3	130.9	542.4

PUBLICATION ANNOUNCEMENT

The Pennsylvania Office of Employment Security, Occupational Employment Statistics Section in cooperation with the U. S. Department of Labor, Bureau of Labor Statistics and Employment and Training Administration is releasing the report "PENNSYLVANIA VOCATIONAL PREPARATION, JOB CHARACTERISTICS AND OUTLOOK." The report contains preferred educational requirements by detailed occupational category, a cross reference of the various occupational coding systems, a list of personal characteristics and jobs, a guide toward matching people and jobs, and the job outlook in brief for the U. S. This report was sponsored and funded by the Pennsylvania State Occupational Information Coordinating Committee (PASOICC). If you wish to obtain a copy of this publication, complete the address form provided.

Name _____ Title _____

Organization
(if applicable) _____

City _____ State _____ Zip Code _____

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Commonwealth of Pennsylvania
Department of Labor and Industry
Office of Employment Security
R & S - Occupational Employment Statistics
Section
Room 1225, Labor and Industry Building
Harrisburg, PA 17121

TABLE 4. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRY GROUPS

(Per 100 Employees)

AUGUST 1981

Industry	Employment (Thousands)	Accession Rates: Total			Accession Rates: New Hires			Accession Rates: Recalls		
		Aug. 1981	Jul. 1981	Aug. 1980	Aug. 1981	Jul. 1981	Aug. 1980	Aug. 1981	Jul. 1981	Aug. 1980
All Manufacturing	1,306.4	3.5	3.4	4.1	1.7	1.4	1.4	1.6	1.8	2.5
Durable Goods	791.9	3.1	2.8	3.8	1.1	0.9	1.7	1.7	1.7	2.8
Furniture & Fixtures	19.2	5.9	4.5	4.0	3.5	2.6	2.4	2.2	1.8	1.6
Stone, Clay & Glass Products	57.9	2.7	2.9	4.4	0.9	0.9	0.9	1.7	1.8	3.3
Primary Metal Industries	189.7	3.3	3.3	5.8	0.6	0.5	0.4	2.3	2.5	5.2
Fabricated Metal Products	108.6	4.1	4.0	4.3	1.4	1.0	1.0	2.5	2.7	3.1
Machinery, exc. Electrical	134.9	1.5	1.7	1.9	0.8	0.8	0.8	0.6	0.7	0.9
Electric & Electronic Equip.	120.4	2.6	1.8	2.7	1.2	0.9	0.6	1.1	0.6	1.4
Transportation Equipment	74.6	4.5	3.7	4.2	1.1	1.1	0.5	3.2	2.1	3.2
Instruments & Related Products	41.5	2.1	1.1	1.1	1.7	0.8	0.8	0.4	0.3	0.2
Miscellaneous Manufacturing	23.1	4.5	2.1	4.8	3.1	1.1	1.4	1.3	0.7	3.4
Nondurable Goods	514.5	4.0	4.4	4.6	2.4	2.1	2.3	1.4	2.1	2.1
Food & Kindred Products	96.8	4.9	5.2	5.0	2.5	2.2	2.8	2.3	3.7	2.0
Textile Mill Products	44.8	5.2	4.7	5.3	2.9	2.8	3.0	2.2	1.6	2.2
Apparel & Related Products	123.6	6.1	6.8	7.1	3.8	2.8	3.1	1.9	3.6	3.7
Paper & Allied Products	43.2	2.0	2.8	3.6	1.3	1.9	1.6	0.6	0.9	1.8
Printing & Publishing	72.8	2.4	2.3	2.4	1.7	1.5	1.7	0.7	0.7	0.6
Chemicals & Allied Products	61.2	1.6	2.2	1.4	1.1	1.2	0.9	0.4	0.9	0.4
Petroleum & Coal Products	16.9	1.1	1.2	1.6	0.9	0.8	0.6	0.1	0.4	0.9
Rubber & Plastics Products	36.5	3.3	2.6	4.1	1.9	1.4	1.8	1.1	0.9	1.9
Leather & Leather Products	15.5	[illegible]	5.0	9.9	5.0	3.5	4.7	0.9	1.4	5.0

Industry	Employment (Thousands)	Separation Rates: Total			Separation Rates: Quits			Separation Rates: Layoffs		
		Aug. 1981	Jul. 1981	Aug. 1980	Aug. 1981	Jul. 1981	Aug. 1980	Aug. 1981	Jul. 1981	Aug. 1980
All Manufacturing	1,306.4	3.6	3.7	4.5	1.4	0.8	1.4	1.5	2.2	2.3
Durable Goods	791.9	3.4	3.3	4.3	0.9	0.5	0.8	1.7	2.1	2.6
Furniture & Fixtures	19.2	4.3	4.8	4.5	1.9	1.1	1.7	1.4	2.9	1.9
Stone, Clay & Glass Products	57.9	3.8	2.7	5.2	1.1	0.5	0.8	2.0	1.4	3.2
Primary Metal Industries	189.7	4.4	3.7	6.2	0.7	0.3	0.5	2.8	2.6	4.7
Fabricated Metal Products	108.6	3.7	4.0	4.5	1.0	0.6	1.0	2.0	2.6	2.8
Machinery, exc. Electrical	134.9	2.2	1.9	2.7	0.9	0.6	0.9	0.9	0.9	1.3
Electric & Electronic Equip.	120.4	2.4	2.5	3.3	1.0	0.5	0.8	0.4	1.1	1.7
Transportation Equipment	74.6	3.3	5.4	2.9	0.5	0.4	0.5	2.0	4.0	1.5
Instruments & Related Products	41.5	2.4	1.4	2.8	0.9	0.5	1.0	0.9	0.5	1.0
Miscellaneous Manufacturing	23.1	5.7	6.1	5.2	1.7	1.1	1.4	3.4	4.5	3.1
Nondurable Goods	514.5	4.0	4.2	4.8	2.1	1.3	2.3	1.2	2.2	1.8
Food & Kindred Products	96.8	4.0	4.3	4.6	2.1	1.2	2.8	1.3	2.5	1.0
Textile Mill Products	44.8	4.6	5.6	5.0	2.4	1.8	2.6	1.5	2.9	1.5
Apparel & Related Products	123.6	4.8	7.2	7.1	2.6	2.1	2.5	1.2	4.1	3.7
Paper & Allied Products	43.2	3.2	2.6	4.9	1.7	0.9	2.0	0.9	1.0	1.7
Printing & Publishing	72.8	2.9	2.0	3.0	1.7	0.8	1.8	0.7	0.8	0.8
Chemicals & Allied Products	61.2	2.9	1.3	2.4	1.2	0.5	1.1	1.1	0.4	0.7
Petroleum & Coal Products	16.9	4.3	1.5	3.7	2.7	0.3	1.2	0.7	0.9	1.4
Rubber & Plastics Products	36.5	4.2	3.1	4.1	1.6	1.1	2.1	1.7	1.5	1.1
Leather & Leather Products	15.5	6.3	7.0	9.0	3.9	3.3	4.4	1.6	3.1	3.7

N : Negligible

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA

Industry Detail
(Thousands)

SIC	Industry	Total - All Employees			Net Change From -	
		Sept. 1981	Aug. 1981	Sept. 1980	Aug. 1981	Sept. 1980
	TOTAL MANUFACTURING INDUSTRIES	1,309.0	1,306.4	1,300.8	2.6	8.2
	TOTAL DURABLE GOODS	793.2	791.9	789.6	1.3	3.6
24	Lumber & wood products	21.6	22.0	20.7	-0.4	0.9
243	Millwork, plywood & structural	7.5	7.5	6.8	0.0	0.7
	Other lumber & wood products	14.1	14.5	13.9	-0.4	0.2
25	Furniture & fixtures	19.6	19.2	19.7	0.4	-0.1
251	Household furniture	9.2	9.1	9.9	0.1	-0.7
252	Office furniture	4.9	4.8	4.6	0.1	0.3
	Other furniture & fixtures	5.5	5.3	5.2	0.2	0.3
32	Stone, clay & glass products	57.4	57.9	57.8	-0.5	-0.4
322	Glass & glassware, pressed or blown	15.0	15.2	14.9	-0.2	0.1
3221	Glass containers	7.4	7.5	7.5	-0.1	-0.1
3229	Other pressed or blown glass	7.6	7.7	7.4	-0.1	0.2
324	Hydraulic cement	2.4	2.6	2.6	-0.2	-0.2
325	Structural clay products	6.2	6.3	5.8	-0.1	0.4
326	Pottery & related products	4.7	4.7	4.5	0.0	0.2
327	Concrete, gypsum & plaster products	7.2	7.3	8.3	-0.1	-1.1
	Other stone, clay & glass products	21.9	21.8	21.7	0.1	0.2
33	Primary metal industries	189.6	189.7	183.1	-0.1	6.5
331	Blast furnace & basic steel products	141.6	141.9	134.0	-0.3	7.6
3312	Blast furnaces & steel mills	129.7	130.0	122.2	-0.3	7.5
	Other basic steel products	11.9	11.9	11.8	0.0	0.1
332	Iron & steel foundries	18.7	18.4	20.1	0.3	-1.4
3321	Gray iron foundries	8.0	8.1	8.0	-0.1	0.0
3325	Steel foundries, n.e.c.	6.4	6.2	7.5	0.2	-1.1
3322,4	Malleable iron & steel invest.	4.3	4.1	4.6	0.2	-0.3
335	Nonferrous rolling & drawing	13.9	13.7	13.6	0.2	0.3
336	Nonferrous foundries	7.4	7.4	6.9	0.0	0.5
	Other primary metal products	8.0	8.3	8.5	-0.3	-0.5
34	Fabricated metal products,(incl. ordnance)	109.0	108.6	112.1	0.4	-3.1
341	Metal cans & shipping containers	4.6	4.5	4.5	0.1	0.1
342	Cutlery, hand tools & hardware	6.1	6.2	6.2	-0.1	-0.1
343	Plumbing & heating exc. electrical	4.0	3.9	3.9	0.1	0.1
344	Fabricated structural metal products	32.9	33.0	35.6	-0.1	-2.7
3441	Fabricated structural metal	7.4	7.3	8.7	0.1	-1.3
3443	Fabricated plate work (boiler shops)	9.8	9.9	10.8	-0.1	-1.0
	Other fabricated struct. metal products	15.7	15.8	16.1	-0.1	-0.4
345	Screw machine products, bolts, etc.	8.7	8.8	9.2	-0.1	-0.5
346	Metal forgings & stampings	21.1	20.6	20.6	0.5	0.5
3462	Iron & steel forgings	5.7	5.8	5.5	-0.1	0.2
	Other metal forgings & stampings	15.4	14.8	15.1	0.6	0.3
347,8	Metal services & ordnance, n.e.c.	8.4	8.5	8.3	-0.1	0.1
349	Misc. fabricated metal products	23.2	23.1	23.8	0.1	-0.6
3494	Valves & pipe fittings	9.2	9.1	9.5	0.1	-0.3
	Other misc. fabricated metal products	14.0	14.0	14.3	0.0	-0.3
35	Machinery, exc. electrical	134.8	134.9	139.8	-0.1	-5.0
351	Engines & turbines	7.1	7.1	6.8	0.0	0.3
352	Farm & garden machinery	4.3	4.3	4.7	0.0	-0.4
353	Construction & related machinery	25.6	25.3	25.9	0.3	-0.3
3531	Construction machinery	8.7	8.6	8.6	0.1	0.1
3535	Conveyors & conveying equipment	3.5	3.5	3.8	0.0	-0.3
	Other construction & related machinery	13.4	13.2	13.5	0.2	-0.1
354	Metal working machinery	20.6	20.8	22.3	-0.2	-1.7
355	Special industry machinery	12.8	12.7	13.9	0.1	-1.1
356	General industrial machinery	26.3	26.3	27.3	0.0	-1.0
3561	Pumps & pumping equipment	4.2	4.3	4.1	-0.1	0.1
3562	Ball & roller bearings	4.0	4.1	4.1	-0.1	-0.1
3563	Air & gas compressors	4.4	4.2	4.6	0.2	-0.2
3567	Industrial furnaces & ovens	3.3	3.4	3.7	-0.1	-0.4
	Other general industrial machinery	10.4	10.3	10.8	0.1	-0.4

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
(cont.) Industry Detail
(Thousands)

SIC Code	Industry	Total – All Employees			Net Change –	
		Sept. 1981	Aug. 1981	Sept. 1980	Aug. 1981	Sept. 1980
357	Office and computing machines	13.5	13.6	13.4	-0.1	0.1
358	Refrigeration & service industry machinery	10.5	10.7	11.3	-0.2	-0.8
359	Misc. machinery, exc. electrical	14.1	14.1	14.2	0.0	-0.1
36	Electric & electronic equipment	121.2	120.4	121.5	0.8	-0.3
361	Electric distributing equipment	18.0	17.9	18.9	0.1	-0.9
3612	Transformers	6.2	6.1	6.4	0.1	-0.2
3613	Switchgear & switchboard apparatus	11.8	11.8	12.5	0.0	-0.7
362	Electrical industrial apparatus	24.4	24.2	23.7	0.2	0.7
363	Household appliances	3.7	3.7	4.0	0.0	-0.3
364	Electric lighting & wiring equipment	20.4	20.2	20.2	0.2	0.2
3643	Current-carrying wiring devices	11.8	11.8	10.8	0.0	1.0
	Other electric light & wiring equipment	8.6	8.4	9.4	0.2	-0.8
366	Communication equipment	9.3	9.0	9.0	0.3	0.3
367	Electronic components & accessories	34.3	34.5	35.7	-0.2	-1.4
3674	Semiconductors & related devices	11.4	11.5	12.1	-0.1	-0.7
	Other electronic components & accessories	22.9	23.0	23.6	-0.1	-0.7
	Other electrical equipment & supplies	11.1	10.9	10.0	0.2	1.1
37	Transportation equipment	75.1	74.6	72.6	0.5	2.5
371	Motor vehicles & equipment	26.6	26.7	20.1	-0.1	6.5
3714	Motor vehicle parts & accessories	9.6	9.4	8.6	0.2	1.0
	Other motor vehicles & equipment	17.0	17.3	11.5	-0.3	5.5
372	Aircraft & parts	11.4	11.5	11.7	-0.1	-0.3
373	Ship & boat building & repairing	6.2	6.3	7.4	-0.1	-1.2
374	Railroad equipment	17.1	16.4	19.8	0.7	-2.7
	Other transportation equipment	13.8	13.7	13.6	0.1	0.2
38	Instruments & related products	41.3	41.5	39.6	-0.2	1.7
382	Measuring & controlling devices	22.6	22.8	21.0	-0.2	1.6
384	Medical instruments & supplies	11.1	11.1	10.9	0.0	0.2
	Other instruments & related products	7.6	7.6	7.7	0.0	-0.1
39	Miscellaneous manufacturing industries	23.6	23.1	22.7	0.5	0.9
	TOTAL NONDURABLE GOODS	515.8	514.5	511.2	1.3	4.6
20	Food & kindred products	96.5	96.8	98.3	-0.3	-1.8
201	Meat products	15.0	15.0	15.6	0.0	-0.6
2011	Meat packing plants	5.0	4.9	4.9	0.1	0.1
2013	Sausages & other prepared meats	5.4	5.4	5.6	0.0	-0.2
2016,7	Poultry dressing & processing	4.6	4.7	5.1	-0.1	-0.5
202	Dairy products	10.8	11.3	11.0	-0.5	-0.2
2026	Fluid milk	6.3	6.6	6.3	-0.3	0.0
	Other dairy products	4.5	4.7	4.7	-0.2	-0.2
203	Preserved fruits & vegetables	13.1	12.3	13.3	0.8	-0.2
2033	Canned fruits & vegetables	5.5	4.9	5.5	0.6	0.0
	Other preserved fruits & vegetables	7.6	7.4	7.8	0.2	-0.2
204	Grain mill products	5.1	4.9	5.2	0.2	-0.1
205	Bakery products	18.2	18.3	19.0	-0.1	-0.8
2051	Bread, cake & related products	13.7	13.7	14.0	0.0	-0.3
2052	Cookies & crackers	4.5	4.6	5.0	-0.1	-0.5
206	Sugar & confectionery products	16.0	16.1	15.6	-0.1	0.4
2065	Confectionery products	7.4	7.3	6.7	0.1	0.7
2066	Chocolate & cocoa products	6.2	6.1	6.1	0.1	0.1
	Other sugar products	2.4	2.7	2.8	-0.3	-0.4
208	Beverages	9.5	9.9	9.7	-0.4	-0.2
	Other food & kindred products	8.8	9.0	8.9	-0.2	-0.1
21	Tobacco manufacturers	3.3	3.2	3.3	0.1	0.0
22	Textile mill products	45.3	44.8	43.4	0.5	1.9
222	Weaving mills, snythetics	5.1	5.1	4.8	0.0	0.3
225	Knitting mills	22.9	22.5	21.9	0.4	1.0
2253	Knit outerwear mills	12.7	12.3	11.3	0.4	1.4
2254	Knit underwear mills	4.5	4.6	4.7	-0.1	-0.2
	Other knitting mills	5.7	5.6	5.9	0.1	-0.2
227	Floor covering mills	3.7	3.8	3.6	-0.1	0.1
228	Yarn & thread mills	4.0	3.9	3.9	0.1	0.1
	Other textile mill products	9.6	9.5	9.2	0.1	0.4

TABLE 5. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
(concl.) Industry Detail
(Thousands)

SIC	Industry	Total – All Employees			Net Change From –	
		Sept. 1981	Aug. 1981	Sept. 1980	Aug. 1981	Sept. 1980
23	Apparel & other textile products	125.5	123.6	123.7	1.9	1.8
231	Men's & boys' suits & coats	16.2	16.1	16.2	0.1	0.0
232	Men's & boys' furnishings	21.7	21.5	21.8	0.2	-0.1
2321	Men's & boys' shirts & nightwear	7.6	7.6	7.6	0.0	0.0
2327	Men's & boys' separate trousers	5.3	5.2	5.2	0.1	0.1
	Other furnishings and work clothing	8.8	8.7	9.0	0.1	-0.2
233	Women's & misses' outerwear	55.9	54.6	54.5	1.3	1.4
234	Women's & children's undergarments	11.0	10.8	10.4	0.2	0.6
236	Children's outerwear	8.1	7.8	7.8	0.3	0.3
	Other apparel & textile products	12.6	12.8	13.0	-0.2	-0.4
26	Paper & allied products	43.2	43.2	42.1	0.0	1.1
262	Paper mills exc. building paper	11.5	11.7	11.9	-0.2	-0.4
265	Paper board containers & boxes	13.8	13.8	13.5	0.0	0.3
2653	Corrugated & solid fiber boxes	7.1	7.0	6.9	0.1	0.2
	Other paperboard containers	6.7	6.8	6.6	-0.1	0.1
	Other paper & allied products	17.9	17.7	16.7	0.2	1.2
27	Printing & publishing	72.8	72.8	72.0	0.0	0.8
271	Newspapers	24.0	23.9	23.7	0.1	0.3
273	Books	6.2	6.2	6.4	0.0	-0.2
275	Commercial printing	22.1	22.1	21.4	0.0	0.7
2752	Lithographing	12.2	12.2	12.0	0.0	0.2
	Other commercial printing	9.9	9.9	9.4	0.0	0.5
276	Manifold business forms	4.3	4.4	4.3	-0.1	0.0
	Other printing & publishing	16.2	16.2	16.2	0.0	0.0
28	Chemicals & allied products	61.0	61.2	60.1	-0.2	0.9
281	Industrial inorganic chemicals	11.2	11.2	10.8	0.0	0.4
282	Plastic materials & synthetics	7.9	8.1	8.3	-0.2	-0.4
283	Drugs	18.2	18.0	17.3	0.2	0.9
284	Soap, cleaners & toilet goods	3.1	3.2	3.2	-0.1	-0.1
285	Paints & allied products	4.4	4.5	4.6	-0.1	-0.2
	Other chemicals & allied products	16.2	16.2	15.9	0.0	0.3
29	Petroleum & coal products	16.5	16.9	16.7	-0.4	-0.2
291	Petroleum refining	12.7	13.0	12.7	-0.3	0.0
	Other petroleum & coal products	3.8	3.9	4.0	-0.1	-0.2
30	Rubber & misc. plastics products	36.1	36.5	35.9	-0.4	0.2
301	Tires & inner tubes	4.6	4.7	4.7	-0.1	-0.1
306	Fabricated rubber products, nec	4.4	4.4	4.5	0.0	-0.1
	Other rubber & plastic products, nec	27.1	27.4	26.7	-0.3	0.4
31	Leather & leather products	15.6	15.5	15.7	0.1	-0.1
314	Footwear, exc. rubber	11.9	12.0	12.2	-0.1	-0.3
3143	Men's footwear, exc. athletic	5.0	5.0	4.9	0.0	0.1
3144	Women's footwear, exc. athletic	2.7	2.8	3.3	-0.1	-0.6
	Other footwear	4.2	4.2	4.0	0.0	0.2
	Other leather & leather products	3.7	3.5	3.5	0.2	0.2

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980
TOTAL MANUFACTURING INDUSTRIES	$331.57	$330.17	$299.15	39.1	39.4	38.7	$ 8.48	$ 8.38	$ 7.73
TOTAL DURABLE GOODS	377.45	376.27	338.98	39.9	40.2	39.6	9.46	9.36	8.56
Lumber & wood products	249.02	255.85	228.45	40.1	41.2	39.8	6.21	6.21	5.74
Millwork, plywood & structural	245.85	254.48	224.07	38.9	39.7	38.7	6.32	6.41	5.79
Other lumber & wood products	251.33	256.01	230.68	40.8	41.9	40.4	6.16	6.11	5.71
Furniture & fixtures	269.04	276.01	250.34	38.6	39.6	39.3	6.97	6.97	6.37
Household furniture	250.13	251.41	220.61	38.6	39.1	38.3	6.48	6.43	5.76
Office furniture	276.26	302.33	271.75	38.0	40.8	39.1	7.27	7.41	6.95
Other furniture & fixtures	295.99	297.47	291.75	39.1	39.4	41.5	7.57	7.55	7.03
Stone, clay & glass products	356.93	354.88	332.22	41.6	41.8	42.0	8.58	8.49	7.91
Glass & glassware, pressed or blown	355.10	336.51	313.24	41.1	40.3	39.6	8.64	8.35	7.91
Glass containers	387.24	370.39	344.51	42.0	41.2	40.2	9.22	8.99	8.57
Other pressed or blown glass	324.01	304.55	280.08	40.3	39.5	38.9	8.04	7.71	7.20
Hydraulic cement	513.42	515.22	459.22	43.0	43.7	43.2	11.94	11.79	10.63
Structural clay products	301.50	303.35	260.84	40.2	40.5	38.7	7.50	7.49	6.74
Pottery & related products	325.82	327.87	291.28	43.5	43.6	41.2	7.49	7.52	7.07
Concrete, gypsum & plaster prods.	347.23	345.56	302.63	42.5	42.4	41.4	8.17	8.15	7.31
Other stone, clay & glass prods.	371.01	380.06	384.01	41.5	42.8	46.1	8.94	8.88	8.33
Primary metal industries	471.03	464.01	409.09	38.8	38.7	37.6	12.14	11.99	10.88
Blast furnace & basic steel prods.	515.48	502.50	441.76	38.7	38.3	36.6	13.32	13.12	12.07
Blast furnaces & steel mills	524.16	511.68	446.92	38.4	38.1	36.1	13.65	13.43	12.38
Other basic steel products	422.06	413.91	388.75	41.5	40.9	41.4	10.17	10.12	9.39
Iron & steel foundries	344.70	351.45	317.15	38.3	39.4	39.3	9.00	8.92	8.07
Gray iron foundries	343.17	347.90	306.13	38.3	39.4	39.5	8.96	8.83	7.75
Steel foundries, n.e.c.	353.66	371.57	310.34	38.4	40.3	37.8	9.21	9.22	8.21
Malleable iron & steel invest.	336.16	329.84	348.59	38.2	38.0	41.4	8.80	8.68	8.42
Nonferrous rolling & drawing	346.18	350.80	331.14	39.7	40.0	41.6	8.72	8.77	7.96
Nonferrous foundries	310.85	308.87	289.25	39.1	38.9	39.3	7.95	7.94	7.36
Other primary metal products	350.28	335.72	337.33	41.7	40.4	42.7	8.40	8.31	7.90
Fabricated metal prods., incl. ordn.	345.23	346.40	316.41	39.5	40.0	39.7	8.74	8.66	7.97
Metal cans & shipping containers	448.59	489.06	362.35	42.2	46.4	39.3	10.63	10.54	9.22
Cutlery, hand tools & hardware	266.40	255.53	261.79	40.0	38.6	40.4	6.66	6.62	6.48
Plumbing & heating exc. electrical	316.41	319.14	301.51	39.9	40.5	40.8	7.93	7.88	7.39
Fabricated structural metal prods.	320.05	323.95	303.64	38.7	39.7	39.9	8.27	8.16	7.61
Fabricated struct. metal	324.65	320.71	308.06	34.5	34.3	36.2	9.41	9.35	8.51
Fab. plate work (boiler shops)	325.47	327.13	301.15	38.7	39.7	40.1	8.41	8.24	7.51
Other fab. struct. metal prods.	314.20	323.67	303.47	40.7	42.2	41.8	7.72	7.67	7.26
Screw machine products, bolts, etc.	308.00	311.89	294.86	40.0	40.4	39.9	7.70	7.72	7.39
Metal forgings & stampings	436.21	435.49	379.24	39.8	40.1	38.0	10.96	10.86	9.98
Iron & steel forgings	346.32	347.59	302.24	37.4	37.7	34.7	9.26	9.22	8.71
Other metal forgings & stampings	468.46	466.26	403.26	40.7	40.9	39.0	11.51	11.40	10.34
Metal services & ordnance, n.e.c.	308.10	293.76	288.40	39.5	38.4	40.0	7.80	7.65	7.21
Misc. fabricated metal products	320.62	324.39	299.36	39.1	39.9	40.4	8.20	8.13	7.41
Valves & pipe fittings	341.45	336.94	313.94	40.6	40.4	41.2	8.41	8.34	7.62
Other misc. fab. metal products	309.46	317.20	296.74	38.3	39.6	40.1	8.08	8.01	7.40
Machinery, exc. electrical	372.60	373.63	344.86	41.4	41.7	41.6	9.00	8.96	8.29
Engines & turbines	440.05	420.85	397.93	43.1	41.3	43.3	10.21	10.19	9.19
Farm & garden machinery	368.00	376.20	350.78	39.4	39.6	40.6	9.34	9.50	8.64
Construction & related machinery	401.40	393.76	339.55	41.9	41.8	39.3	9.58	9.42	8.64
Construction machinery	427.87	423.67	337.46	41.3	41.7	36.8	10.36	10.16	9.17
Conveyors & conveying equipment	293.11	294.65	292.60	35.4	35.5	38.0	8.28	8.30	7.70
Other constr. & related mach.	401.07	389.58	349.40	43.5	43.0	41.3	9.22	9.06	8.46
Metal working machinery	363.81	380.69	342.50	40.2	41.2	40.2	9.05	9.24	8.52
Special industry machinery	351.88	348.25	326.75	40.4	40.4	41.1	8.71	8.62	7.95
General industrial machinery	373.80	373.97	369.28	42.0	42.4	45.2	8.90	8.82	8.17
Pumps & pumping equipment	389.23	406.95	382.34	42.4	43.9	46.4	9.18	9.27	8.24
Ball & roller bearings	383.57	374.10	358.99	41.2	40.4	43.2	9.31	9.26	8.31
Air & gas compressors	409.15	411.78	411.77	43.9	45.4	48.5	9.32	9.07	8.49
Industrial furnaces & ovens	344.58	362.20	312.02	38.5	41.3	39.1	8.95	8.77	7.98
Other general industrial mach.	361.68	356.59	368.23	42.5	42.2	45.8	8.51	8.45	8.04
Office and computing machines	410.52	422.58	371.05	41.3	42.3	39.6	9.94	9.99	9.37
Refrigeration & serv. ind. mach.	335.32	338.82	282.98	41.5	42.3	40.6	8.08	8.01	6.97
Misc. machinery, exc. electrical	333.94	329.38	333.56	41.9	41.8	42.6	7.97	7.88	7.83

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(cont.)

Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980
Electric & electronic equipment	$317.59	$321.20	$288.51	39.6	40.2	39.2	$ 8.02	$ 7.99	$ 7.36
Electric distributing equipment	409.62	411.61	367.53	43.3	43.1	42.1	9.46	9.55	8.73
Transformers	397.87	418.95	323.98	43.2	45.0	38.8	9.21	9.31	8.35
Switchgear & switchbrd apparatus	415.68	407.95	389.82	43.3	42.1	43.8	9.60	9.69	8.90
Electrical industrial apparatus	317.58	321.57	277.75	39.5	39.7	38.1	8.04	8.10	7.29
Household appliances	281.53	288.88	283.28	38.2	39.9	38.7	7.37	7.24	7.32
Electric lighting & wiring equip.	275.33	283.22	255.30	38.4	39.5	37.6	7.17	7.17	6.79
Current-carrying wiring devices	293.38	294.19	245.95	40.3	40.3	35.8	7.28	7.30	6.87
Other elect lght & wirng equip.	258.40	271.74	262.19	36.6	38.6	38.9	7.06	7.04	6.74
Communication equipment	324.41	340.47	303.40	40.2	42.4	40.4	8.07	8.03	7.51
Electronic components & access.	320.80	316.41	284.97	39.9	39.8	39.8	8.04	7.95	7.16
Semiconductors & related devices	419.63	416.15	375.74	40.9	41.0	41.2	10.26	10.15	9.12
Other electronic comp.& access.	274.53	269.60	240.86	39.5	39.3	39.1	6.95	6.86	6.16
Other electrical equip. & supplies	252.74	269.57	248.63	35.9	38.4	37.5	7.04	7.02	6.63
Transportation equipment	401.32	401.39	359.33	39.5	39.9	39.4	10.16	10.06	9.12
Motor vehicles & equipment	442.67	449.86	384.69	40.5	41.5	39.7	10.93	10.84	9.69
Motor vehicle parts & access.	431.98	461.17	394.69	40.6	43.1	40.9	10.64	10.70	9.65
Other motor vehicles & equip.	450.77	441.98	375.58	40.5	40.4	38.6	11.13	10.94	9.73
Aircraft & parts	394.13	368.03	373.69	39.1	37.1	41.8	10.08	9.92	8.94
Ship & boat building & repairing	420.73	418.50	363.77	42.2	41.6	39.8	9.97	10.06	9.14
Railroad equipment	383.63	388.99	361.28	37.5	38.4	37.4	10.23	10.13	9.66
Other transportation equipment	302.61	312.03	238.64	38.5	39.8	40.2	7.86	7.84	7.18
Instruments & related products	329.93	329.43	284.93	41.5	41.7	39.3	7.95	7.90	7.25
Measuring & controlling devices	352.60	355.06	298.15	43.0	43.3	40.4	8.20	8.20	7.38
Medical instruments & supplies	322.60	312.76	278.13	41.2	40.2	38.1	7.83	7.78	7.30
Other instruments & related prods.	273.77	276.19	259.24	37.4	38.9	37.9	7.32	7.10	6.84
Misc. manufacturing industries	297.20	293.79	289.54	40.0	40.3	41.6	7.43	7.29	6.96
TOTAL NONDURABLE GOODS	263.78	263.20	241.88	37.9	38.2	37.5	6.96	6.89	6.45
Food & kindred products	308.37	308.30	286.63	40.1	40.3	40.2	7.69	7.65	7.13
Meat products	309.32	320.38	280.86	40.7	41.5	38.9	7.60	7.72	7.22
Meat packing plants	336.61	354.05	339.05	41.0	42.3	40.8	8.21	8.37	8.31
Sausages & other prepared meats	372.60	385.29	301.29	40.5	40.6	36.3	9.20	9.49	8.30
Poultry dressing & processing	220.05	225.35	210.93	40.6	41.5	39.5	5.42	5.43	5.34
Dairy products	321.64	308.35	299.11	44.0	43.8	43.1	7.31	7.04	6.94
Fluid milk	340.13	341.12	322.66	42.2	43.4	44.2	8.06	7.86	7.30
Other dairy products	306.22	282.00	283.23	45.5	44.2	42.4	6.73	6.38	6.68
Preserved fruits & vegetables	269.97	276.82	256.49	37.6	38.5	39.4	7.18	7.19	6.51
Canned fruits & vegetables	231.57	239.20	206.27	37.9	39.8	37.3	6.11	6.01	5.53
Other preserved fruits & vegs.	298.08	301.18	293.97	37.4	37.6	41.0	7.97	8.01	7.17
Grain mill products	343.74	318.16	312.26	42.7	41.0	42.6	8.05	7.76	7.33
Bakery products	299.92	297.04	291.28	38.8	39.5	41.2	7.73	7.52	7.07
Bread, cake & related products	309.64	293.96	282.89	39.8	39.3	39.9	7.78	7.48	7.09
Cookies & crackers	277.04	303.28	307.91	36.5	39.8	43.8	7.59	7.62	7.03
Sugar & confectionery products	339.04	329.24	281.15	41.6	40.2	38.2	8.15	8.19	7.36
Confectionery products	273.14	259.56	221.68	39.7	37.4	34.8	6.88	6.94	6.37
Chocolate & cocoa products	365.56	369.28	307.85	41.4	42.3	40.4	8.83	8.73	7.62
Other sugar products	564.99	461.16	388.67	50.9	44.3	42.9	11.10	10.41	9.06
Beverages	382.01	380.66	359.31	40.9	40.8	40.6	9.34	9.33	8.85
Other food & kindred products	233.58	241.30	248.46	36.9	38.0	41.0	6.33	6.35	6.06
Tobacco manufacturers	191.46	186.69	170.91	38.6	38.1	39.2	4.96	4.90	4.36
Textile mill products	210.55	209.59	197.10	37.8	37.9	38.8	5.57	5.53	5.08
Weaving mills, snythetics	237.64	238.05	224.08	41.4	41.4	42.6	5.74	5.75	5.26
Knitting mills	196.18	196.68	183.44	36.6	36.9	37.9	5.36	5.33	4.84
Knit outerwear mills	196.57	196.27	182.63	37.3	37.6	37.5	5.27	5.22	4.87
Knit underwear mills	160.88	158.60	158.95	32.9	32.5	35.4	4.89	4.88	4.49
Other knitting mills	224.58	230.30	205.63	38.0	39.1	40.8	5.91	5.89	5.04
Floor covering mills	263.95	262.26	258.80	37.6	37.2	40.5	7.02	7.05	6.39
Yarn & thread mills	192.40	191.27	189.31	37.8	37.8	38.4	5.09	5.06	4.93
Other textile mill products	222.12	216.93	198.91	38.9	38.6	38.4	5.71	5.62	5.18

TABLE 6. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS OR NONSUPERVISORY EMPLOYEES
(concl.) Industry Detail

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept 1980	Sept. 1981	Aug. 1981	Sept. 1980
Apparel & other textile products	$173.49	$175.62	$151.63	33.3	34.1	31.2	$ 5.21	$ 5.15	$ 4.86
Men's & boys' suits & coats	221.65	220.32	194.67	36.1	36.0	34.7	6.14	6.12	5.61
Men's & boys' furnishings	176.27	174.60	159.54	35.9	36.3	33.8	4.91	4.81	4.72
Men's & boys' shirts & nightwear	181.02	177.93	160.30	37.4	38.1	34.4	4.84	4.67	4.66
Men's & boys' separate trousers	196.38	191.35	166.86	36.1	35.9	30.9	5.44	5.33	5.40
Other furnishings & wrk. clothng	160.43	162.05	154.96	34.5	35.0	34.9	4.65	4.63	4.44
Women's & misses' outerwear	162.84	167.16	140.37	39.9	31.9	28.3	5.27	5.24	4.96
Women's & children's undergarments	155.38	154.69	130.98	34.3	34.3	32.5	4.53	4.51	4.03
Children's outerwear	164.50	169.51	139.30	32.9	33.7	28.9	5.00	5.03	4.82
Other apparel & textile products	175.79	177.07	152.74	35.3	37.2	34.4	4.98	4.76	4.44
Paper & allied products	321.06	322.39	309.21	42.3	42.7	44.3	7.59	7.55	6.98
Paper mills exc. building paper	429.66	416.30	402.24	47.9	46.0	48.0	8.97	9.05	8.38
Paper board containers & boxes	304.36	307.16	294.47	40.1	40.9	41.3	7.59	7.51	7.13
Corrugated & solid fiber boxes	324.01	330.76	304.09	41.7	42.9	40.6	7.77	7.71	7.49
Other paperboard containers	284.52	284.70	284.76	38.5	39.0	42.0	7.39	7.30	6.78
Other paper & allied products	283.59	287.90	271.04	41.4	42.4	44.8	6.85	6.79	6.05
Printing & publishing	324.94	321.54	294.00	38.5	38.6	37.5	8.44	8.33	7.84
Newspapers	314.16	301.62	285.44	34.0	33.0	32.4	9.24	9.14	8.81
Books	280.50	292.99	240.67	37.4	39.7	36.3	7.50	7.38	6.63
Commercial printing	345.05	341.75	319.18	39.3	39.6	39.6	8.78	8.63	8.06
Lithographing	363.27	348.77	317.13	39.4	39.1	39.2	9.22	8.92	8.09
Other commercial printing	324.18	332.83	321.60	39.2	40.1	40.1	8.27	8.30	8.02
Manifold business forms	359.64	365.02	302.71	44.4	45.4	40.2	8.10	8.04	7.53
Other printing & publishing	310.02	307.68	289.84	39.9	39.7	38.8	7.77	7.75	7.47
Chemicals & allied products	376.85	366.03	335.74	42.2	41.5	41.5	8.93	8.82	8.09
Industrial inorganic chemicals	399.86	369.82	352.60	43.7	41.0	43.0	9.15	9.02	8.20
Plastic materials & synthetics	384.92	362.60	330.40	41.3	39.2	40.0	9.32	9.25	8.26
Drugs	409.19	397.07	354.71	41.5	40.6	39.9	9.86	9.78	8.89
Soap, cleaners & toilet goods	336.00	351.94	311.56	44.8	46.8	44.7	7.50	7.52	6.97
Paints & allied products	334.90	336.31	283.82	39.4	39.8	37.1	8.50	8.45	7.65
Other chemicals & allied products	353.18	349.29	331.44	42.5	42.7	43.1	8.31	8.18	7.69
Petroleum & coal products	483.15	460.64	448.05	43.1	41.8	43.5	11.21	11.02	10.30
Petroleum refining	512.46	480.17	464.53	43.1	40.9	42.5	11.89	11.74	10.93
Other petroleum & coal products	379.67	392.90	393.02	42.9	44.8	46.9	8.85	8.77	8.38
Rubber & misc. plastics products	270.82	276.00	235.59	38.8	40.0	39.2	6.98	6.90	6.01
Tires & inner tubes	343.80	364.88	346.43	39.7	41.7	44.7	8.66	8.75	7.75
Fabricated rubber products, nec	347.96	346.30	306.59	42.8	42.7	42.7	8.13	8.11	7.18
Other rubber & plastic prods., nec	251.36	254.92	211.66	38.2	39.4	38.0	6.58	6.47	5.57
Leather & leather products	183.89	183.82	176.18	37.3	37.9	38.3	4.93	4.85	4.60
Footwear, exc. rubber	171.39	173.54	164.87	36.7	37.4	37.9	4.67	4.64	4.35
Men's footwear, exc. athletic	187.31	188.28	186.19	38.7	38.9	40.3	4.84	4.84	4.62
Women's footwear, exc. athletic	168.37	166.52	151.98	35.9	36.2	36.8	4.69	4.60	4.13
Other footwear	153.37	160.16	149.70	34.7	36.4	35.9	4.42	4.40	4.17
Other leather & leather products	226.94	223.28	215.17	39.4	39.8	39.7	5.76	5.61	5.42
SELECTED NONMANUFACTURING INDUSTRIES									
Anthracite Mining	422.58	429.35	360.14	43.7	44.4	43.6	9.67	9.67	8.26
Bituminous coal & lignite mining	563.53	539.40	352.88	45.3	43.5	30.9	12.44	12.40	11.42
Nonmetallic minerals, exc. fuels	385.88	382.31	352.34	44.1	44.3	44.6	8.75	8.63	7.90
Communication	440.43	419.36	351.20	41.2	39.6	40.0	10.69	10.59	8.78
Electric, gas, & sanitary services	466.34	455.80	443.75	43.1	43.0	45.7	10.82	10.60	9.71
Electric services	447.92	437.19	452.20	42.7	42.2	47.6	10.49	10.36	9.50
Gas production & distribution	419.68	411.94	412.03	43.9	44.2	46.4	9.56	9.32	8.88
General merchandise stores	166.04	156.60	140.44	30.3	29.0	27.7	5.48	5.40	5.07
Banking	196.02	194.97	186.11	INA	INA	INA	INA	INA	INA
Insurance carriers	248.66	247.29	224.92	INA	INA	INA	INA	INA	INA
Life insurance	229.90	227.19	209.83	INA	INA	INA	INA	INA	INA
Fire, marine & casualty insurance	252.15	249.56	223.65	INA	INA	INA	INA	INA	INA

TABLE 7. AVERAGE GROSS EARNINGS AND MANHOURS OF PRODUCTION WORKERS IN SELECTED MANUFACTURING GROUPS

Industry Detail

Year and Month	All Manufacturing			All Durable Goods			All Nondurable Goods			Primary Metals		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1974	$180.97	39.6	$4.57	$203.45	41.1	$4.95	$146.59	37.3	$3.93	$239.61	41.1	$5.83
1975	193.22	38.8	4.98	217.60	40.0	5.44	159.22	37.2	4.28	253.37	39.1	6.48
1976	210.11	39.2	5.36	236.16	40.3	5.86	172.58	37.6	4.59	279.89	39.7	7.05
1977	231.08	39.5	5.85	260.48	40.7	6.40	188.62	37.8	4.99	308.07	39.7	7.76
1978	254.80	40.0	6.37	289.10	41.3	7.00	204.60	38.1	5.37	356.10	41.6	8.56
1979	278.10	39.9	6.97	316.83	41.2	7.69	219.06	37.9	5.78	397.16	41.5	9.57
1980	294.49	38.8	7.59	332.64	39.6	8.40	236.50	37.6	6.29	399.81	37.4	10.69
1980 Sep	299.15	38.7	7.73	338.98	39.6	8.56	241.88	37.5	6.45	409.09	37.6	10.88
Oct	301.86	38.8	7.78	342.14	39.6	8.64	243.17	37.7	6.45	410.32	37.2	11.03
Nov	312.44	39.4	7.93	354.64	40.3	8.80	248.90	38.0	6.55	432.00	38.4	11.25
Dec	318.79	39.7	8.03	361.82	40.7	8.89	252.98	38.1	6.64	438.08	38.7	11.32
1981 Jan	317.13	39.2	8.09	359.79	40.2	8.95	251.92	37.6	6.70	441.54	38.8	11.38
Feb	318.30	39.2	8.12	362.30	40.3	8.99	251.92	37.6	6.70	439.30	38.2	11.50
Mar	320.72	39.4	8.14	366.12	40.5	9.04	254.02	37.8	6.72	447.74	38.9	11.51
Apr	322.22	39.2	8.22	368.04	40.4	9.11	254.32	37.4	6.80	462.11	39.7	11.64
May	324.66	39.4	8.24	367.03	40.2	9.13	260.99	38.1	6.85	444.65	38.2	11.64
Jun	325.84	39.4	8.27	369.55	40.3	9.17	260.99	38.1	6.85	443.12	38.2	11.60
Jul	324.53	39.1	8.30	366.03	39.7	9.22	262.89	38.1	6.90	440.80	38.0	11.60
Aug	330.17	39.4	8.38	376.27	40.2	9.36	263.20	38.2	6.89	464.01	38.7	11.99
Sep	331.57	39.1	8.48	377.45	39.9	9.46	263.78	37.9	6.96	471.03	38.8	12.14

Year and Month	Fabricated Metal Products			Machinery Except Electrical			Electric & Electronic Equip.			Transportation Equipment		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1974	$196.24	41.4	$4.74	$209.78	42.9	$4.89	$175.96	39.9	$4.41	$215.54	40.9	$5.27
1975	208.17	40.5	5.14	222.14	41.6	5.34	191.84	39.8	4.82	234.61	39.9	5.88
1976	223.01	40.4	5.52	241.60	41.8	5.78	206.96	40.5	5.11	254.23	40.1	6.34
1977	246.64	40.7	6.06	262.92	42.0	6.26	225.74	40.6	5.56	289.26	41.8	6.92
1978	264.71	40.6	6.52	291.13	42.5	6.85	247.25	40.6	6.09	315.59	41.8	7.55
1979	285.93	40.5	7.06	311.33	42.3	7.36	266.64	40.4	6.60	348.60	42.0	8.30
1980	309.57	40.1	7.72	338.60	41.7	8.12	287.68	39.9	7.21	356.40	39.6	9.00
1980 Sep	316.41	39.7	7.97	344.86	41.6	8.29	288.51	39.2	7.36	359.33	39.4	9.12
Oct	322.00	40.1	8.03	347.36	41.5	8.37	293.38	39.7	7.39	360.77	39.3	9.18
Nov	331.30	40.7	8.14	358.70	42.3	8.48	304.50	40.6	7.50	374.94	40.1	9.35
Dec	340.31	41.4	8.22	367.22	42.8	8.58	310.43	40.9	7.59	382.18	40.4	9.46
1981 Jan	332.48	40.3	8.25	356.49	41.5	8.59	309.42	40.5	7.64	381.20	40.0	9.53
Feb	334.94	40.5	8.27	359.87	41.7	8.63	314.20	40.7	7.72	372.40	39.2	9.50
Mar	338.20	40.6	8.33	359.92	41.9	8.59	321.03	41.0	7.83	381.60	40.0	9.54
Apr	336.47	40.2	8.37	356.29	41.0	8.69	315.50	40.5	7.79	377.06	39.4	9.57
May	343.40	40.4	8.50	364.79	41.5	8.79	317.87	40.7	7.81	384.87	39.8	9.67
Jun	351.29	40.8	8.61	368.26	41.8	8.81	317.12	40.5	7.83	392.98	40.1	9.80
Jul	338.70	39.8	8.51	366.80	41.4	8.86	313.22	39.9	7.85	401.58	39.8	10.09
Aug	346.40	40.0	8.66	373.63	41.7	8.96	321.20	40.2	7.99	401.39	39.9	10.06
Sep	345.23	39.5	8.74	372.60	41.4	9.00	317.59	39.6	8.02	401.32	39.5	10.16

Year and Month	Food Products			Textile Products			Apparel and Related Products			Printing and Publishing		
	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE	AWE	AWH	AHE
1974	$171.68	40.3	$4.26	$124.74	37.8	$3.30	$103.02	32.6	$3.16	$189.52	38.0	$4.99
1975	187.80	40.3	4.66	132.42	37.3	3.55	109.20	32.5	3.36	204.58	37.4	5.47
1976	204.22	40.2	5.08	142.12	38.0	3.74	119.55	33.3	3.59	218.82	36.9	5.93
1977	219.89	40.2	5.47	154.37	38.4	4.02	125.95	32.8	3.84	238.52	37.8	6.31
1978	239.95	40.6	5.91	166.12	38.1	4.36	138.28	33.4	4.14	245.95	36.6	6.72
1979	251.20	40.0	6.28	178.26	38.5	4.63	143.44	32.6	4.40	263.87	36.7	7.19
1980	274.33	39.7	6.91	192.89	38.5	5.01	153.12	32.1	4.77	284.56	37.1	7.67
1980 Sep	286.63	40.2	7.13	197.10	38.8	5.08	151.63	31.2	4.86	294.00	37.5	7.84
Oct	280.50	39.9	7.03	197.49	38.8	5.09	158.57	32.1	4.94	295.13	37.5	7.87
Nov	290.50	40.8	7.12	200.46	39.0	5.14	158.54	31.9	4.97	299.75	37.8	7.93
Dec	297.02	40.8	7.28	200.85	39.0	5.15	160.96	32.0	5.03	313.95	39.0	8.05
1981 Jan	297.41	40.3	7.38	203.37	38.3	5.31	161.41	31.9	5.06	305.80	37.8	8.09
Feb	300.17	40.4	7.43	205.35	38.6	5.32	161.14	32.1	5.02	304.94	37.6	8.11
Mar	299.09	40.2	7.44	206.12	38.6	5.34	166.62	32.8	5.08	307.31	37.8	8.13
Apr	297.83	39.5	7.54	207.13	38.5	5.38	163.57	31.7	5.16	311.76	38.3	8.14
May	311.60	41.0	7.60	210.92	38.7	5.45	168.35	32.5	5.18	312.19	38.4	8.13
Jun	309.78	40.6	7.63	210.14	38.7	5.43	169.06	32.7	5.17	317.34	38.7	8.20
Jul	310.90	40.8	7.62	203.04	37.6	5.40	170.65	33.2	5.14	316.74	38.3	8.27
Aug	308.30	40.3	7.65	209.59	37.9	5.53	175.62	34.1	5.15	321.54	38.6	8.33
Sep	308.37	40.1	7.69	210.55	37.8	5.57	173.49	33.3	5.21	324.94	38.5	8.44

TABLES 8 & 9. ACTUAL AND REAL GROSS EARNINGS OF MANUFACTURING PRODUCTION WORKERS IN PENNSYLVANIA

(1967 = 100)

Annual Averages

Year	Weekly Earnings (1)	Weekly Hours (2)	Hourly Earnings (3)	Hourly Earnings Index (4)	U.S. Consumer Price Index (5)	Real Weekly Earnings (6)	Losses Due To Inflation
1970	$131.71	39.2	$3.36	119.1	116.3	$113.25	$ 18.46
1971	140.73	39.2	3.59	127.3	121.3	116.02	24.71
1972	154.42	39.8	3.88	137.6	125.3	123.24	31.18
1973	167.23	40.2	4.16	147.5	133.1	125.64	41.59
1974	180.97	39.6	4.57	162.1	147.7	122.53	58.44
1975	193.22	38.8	4.98	176.6	161.2	119.86	73.36
1976	210.11	39.2	5.36	190.1	170.5	123.23	86.88
1977	231.08	39.5	5.85	207.4	181.5	127.32	103.76
1978	254.80	40.0	6.37	225.9	195.3	130.47	124.33
1979	278.10	39.9	6.97	247.2	217.4	127.92	150.18
1980	294.49	38.8	7.59	269.1	247.0	119.23	175.26

Real Earnings are computed by adjusting current earnings for changes in The Consumer Price Index (Col 1 ÷ Col. 5)

TABLE 10. EMPLOYMENT, PAYROLLS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS

(Thousands)

Industry	Employment			Weekly Manhours Worked			Weekly Payrolls		
	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980
MANUFACTURING	931.0	927.1	927.8	36,380.6	36,523.0	35,926.4	308,263.8	306,194.5	277,773.9
DURABLE GOODS	552.0	549.4	552.3	22,016.6	22,078.4	21,858.1	208,232.4	206,667.6	187,085.9
NONDUR. GOODS	379.0	377.7	375.5	14,364.0	14,444.6	14,068.3	100,031.4	99,526.9	90,688.0

NOTATION

Resident Data are an estimate of WORKERS by place of residence and include wage and salary workers, self-employed and unpaid family workers, domestic workers, agricultural workers and persons involved in labor-management disputes. These data are derived from the National Current Population Survey (CPS) and do not reflect commuting or dual job holding. Consequently, they are not comparable to establishment based Nonagricultural Wage and Salary data.

Establishment Data are estimates of JOBS by place of work.

Labor-management disputes

Persons involved in labor-management disputes are included in RESIDENT employment counts. They are not included in ESTABLISHMENT data nor are they counted as labor turnover actions. Wherever indicated (#), however, they are added to the Nonagricultural Wage and Salary total to show more accurately the number of jobs held. An asterisk (*) denotes a total significantly affected by a labor-management dispute.

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA
Industry Group
(Thousands)

Year and Month	Total Manufacturing	Total Durable Goods	Lumber and Wood Products	Furniture and Fixtures	Stone Clay and Glass	Primary Metals	Fabricated Metals	Machinery Except Electrical
1973	1,480.1	884.7	24.6	23.8	68.3	220.8	126.1	137.2
1974	1,464.5	894.1	22.5	22.6	68.1	226.5	126.6	144.5
1975	1,334.8	813.0	18.7	18.0	60.5	205.5	114.1	141.3
1976	1,335.2	804.5	20.4	18.2	61.4	201.9	111.4	136.4
1977	1,341.9	809.7	21.2	18.9	62.3	199.6	111.3	134.6
1978	1,367.8	827.6	21.9	20.1	63.7	199.2	112.6	137.8
1979	1,386.7	853.8	23.0	20.2	64.7	204.1	118.0	141.2
1980	1,328.0	814.0	21.0	19.1	58.8	190.8	113.7	141.4
1980 Sep.	1,300.8	789.6	20.7	19.7	57.8	183.1	112.1	139.8
Oct.	1,308.7	795.9	21.2	18.6	57.5	186.0	112.4	139.1
Nov.	1,310.1	800.9	20.9	18.6	57.7	188.3	112.6	139.3
Dec.	1,310.4	800.1	20.7	18.7	56.9	189.6	110.4	139.0
1981 Jan.	1,300.2	795.3	19.3	18.7	55.6	190.2	109.5	138.4
Feb.	1,296.7	792.8	19.6	18.6	54.7	190.5	109.5	137.6
Mar.	1,296.3	789.7	20.4	18.4	55.4	189.3	109.3	135.7
Apr.	1,301.3	793.3	21.1	19.0	56.5	191.0	109.3	135.9
May	1,299.3	791.8	21.8	19.0	56.8	190.5	108.9	135.1
Jun.	1,309.0	796.3	21.9	19.0	57.9	191.6	108.6	135.5
Jul.	1,298.9	790.5	22.0	18.5	57.3	191.7	107.1	134.7
Aug.	1,306.4	791.9	22.0	19.2	57.9	189.7	108.6	134.9
Sep.	1,309.0	793.2	21.6	19.6	57.4	189.6	109.0	134.8

Year and Month	Electric and Electronic Equipment	Transportation Equipment	Instruments and Related Products	Misc. Manufacturing	Total Nondurable Goods	Food Products	Tobacco Products	Textile Products
1973	144.0	73.3	34.8	31.9	595.4	107.3	7.1	62.8
1974	144.7	72.6	36.1	30.0	570.4	104.0	6.6	58.5
1975	126.0	67.6	34.4	27.0	521.8	99.4	5.0	49.9
1976	124.2	67.1	35.5	28.1	530.7	100.2	4.0	50.4
1977	123.0	73.7	37.3	27.8	532.2	98.8	3.6	49.4
1978	123.9	81.8	40.3	26.3	540.3	99.7	4.0	50.1
1979	127.1	87.3	42.9	25.3	532.9	99.3	3.6	47.1
1980	124.3	80.1	41.6	23.2	514.0	97.2	3.3	44.1
1980 Sep.	121.5	72.6	39.6	22.7	511.2	98.3	3.3	43.4
Oct.	121.7	77.1	39.6	22.7	512.8	100.1	3.3	44.3
Nov.	122.2	77.4	41.4	22.5	509.2	97.1	3.3	44.4
Dec.	122.7	78.8	41.4	21.9	510.3	99.5	3.4	44.8
1981 Jan.	121.2	78.6	41.7	22.1	504.9	96.4	3.3	44.2
Feb.	* 120.2	78.0	41.7	22.4	503.9	95.0	3.3	43.7
Mar.	119.6	77.0	41.8	22.8	506.6	94.6	3.3	43.1
Apr.	119.6	76.0	42.0	22.9	508.0	93.9	3.2	44.2
May	119.2	75.9	41.8	22.8	507.5	93.8	3.2	44.1
Jun.	120.8	75.3	42.0	23.7	512.7	94.1	3.2	44.9
Jul.	119.3	74.8	41.5	23.6	508.4	95.8	3.0	44.7
Aug.	120.4	74.6	41.5	23.1	514.5	96.8	3.2	44.8
Sep.	121.2	75.1	41 3	23.6	515.8	96.5	3.3	45.3

TABLE 11. MANUFACTURING EMPLOYMENT IN PENNSYLVANIA (concl.)

Industry Group
(Thousands)

Year and Month	Apparel and Related		Paper Products	Printing and Publishing	Chemical Products	Petroleum Refining & Related	Rubber and Plastic	Leather Products
	Total	Women's & Children's Outerwear						
1973	158.0	65.5	45.4	72.2	58.8	19.1	41.0	23.7
1974	148.2	63.0	44.4	69.8	58.6	18.2	40.9	21.3
1975	132.7	58.1	39.9	68.4	55.5	16.4	34.8	19.8
1976	137.2	60.2	42.4	67.6	56.7	16.4	34.9	21.0
1977	134.0	60.0	43.0	69.8	59.0	16.8	38.0	19.9
1978	134.6	61.0	44.4	71.3	59.9	17.3	39.9	19.3
1979	128.6	59.9	44.6	72.2	61.0	17.3	41.8	17.3
1980	124.2	56.3	42.4	72.2	60.8	16.4	37.6	15.9
1980 Sep.	123.7	54.5	42.1	72.0	60.1	16.7	35.9	15.7
Oct.	123.3	54.5	41.9	71.9	60.1	16.3	35.9	15.7
Nov.	122.1	54.4	42.2	72.1	60.4	16.1	35.8	15.7
Dec.	120.3	54.0	41.7	72.5	60.2	16.0	36.2	15.7
1981 Jan.	119.4	54.3	41.7	72.2	60.0	15.9	36.2	15.6
Feb.	120.7	54.6	* 40.7	72.3	60.4	15.8	36.4	15.6
Mar.	122.8	55.9	41.7	72.6	60.7	16.1	36.1	15.6
Apr.	123.1	56.0	41.7	73.0	60.6	16.2	36.2	15.9
May	122.1	54.5	42.0	72.8	61.0	16.5	36.0	16.0
Jun.	122.9	54.1	43.0	73.2	61.8	16.8	36.9	15.9
Jul.	119.2	53.0	42.6	72.9	61.4	17.0	36.4	15.4
Aug.	123.6	54.6	43.2	72.8	61.2	16.9	36.5	15.5
Sep.	125.5	55.9	43.2	72.8	61.0	16.5	36.1	15.6

TABLE 12. SELECTED PENNSYLVANIA INDICES

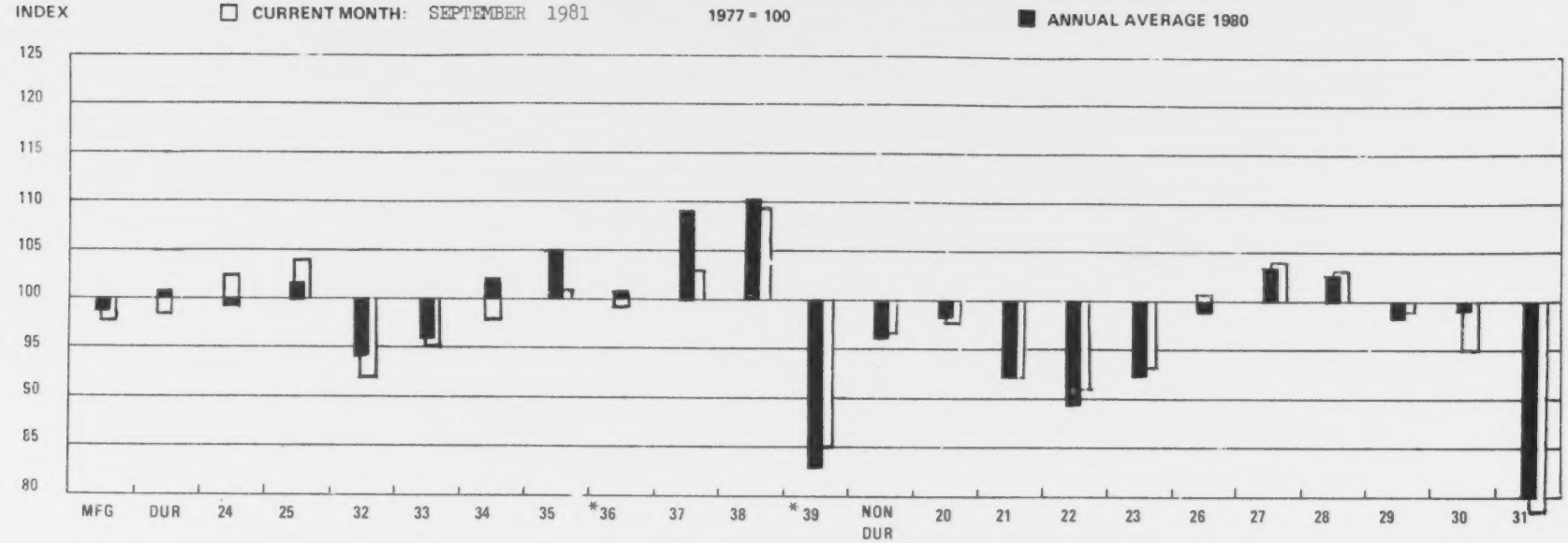
(Not Adjusted)

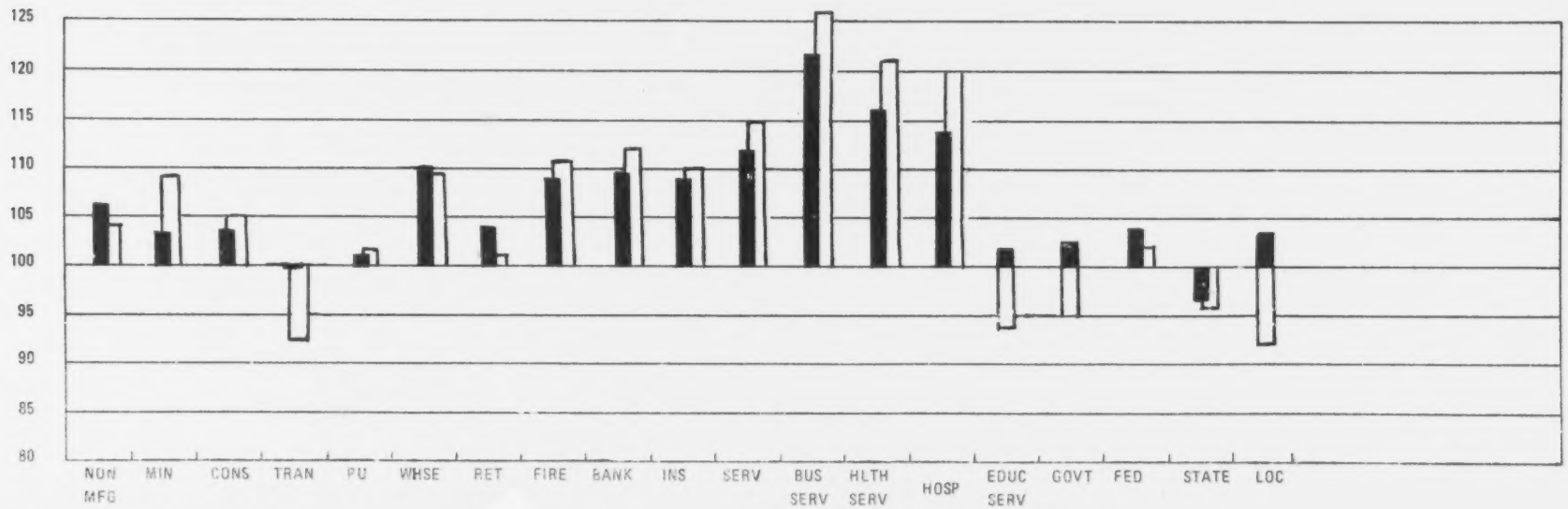
1977 = 100

Industry Group	1981		1980		ANNUAL AVERAGE	
	Sept.	Aug.	Sept.		1980	1979
EMPLOYMENT						
All Manufacturing	97.5	97.3	96.9		99.0	103.3
Primary Metals	95.0	95.0	91.7		95.6	102.3
Apparel	93.7	92.2	92.3		92.7	96.0
All Nonmanufacturing	104.4	104.9	105.6		106.2	106.1
Construction	104.7	107.2	110.8		103.5	111.0
Retail Trade	100.8	100.5	103.7		137.9	105.0
Services	114.7	114.4	113.9		112.4	109.6
Government	94.7	97.4	95.8		102.4	101.4

NONAGRICULTURAL JOB INDICES (Not seasonally adjusted)

Showing the increase or decrease in jobs in the various industries.





*Due to extensive industrial code changes, trend is not strictly comparable with the base year.

TABLE 13. LABOR TURNOVER RATES IN MANUFACTURING INDUSTRIES MAJOR LABOR MARKET AREAS

(Per 100 Employees)

AUGUST 1981

Major Labor Market Area	Employment (Thousands)	Accession Rates								
		Total			New Hires			Recalls		
		Aug. 1981	Jul. 1981	Aug. 1980	Aug. 1981	Jul. 1981	Aug. 1980	Aug. 1981	Jul. 1981	Aug. 1980
PENNSYLVANIA	1,306.4	3.5	3.4	4.1	1.7	1.4	1.4	1.6	1.8	2.5
ALLENTOWN-BETHLEHEM-EASTON	106.1	3.1	3.4	3.5	1.6	1.4	1.5	1.2	1.8	1.7
ALTOONA	13.1	1.4	3.8	2.3	1.1	1.4	1.5	0.2	2.3	0.8
ERIE	40.5	4.0	2.7	2.7	2.8	1.4	1.0	0.9	0.8	1.2
HARRISBURG	42.8	1.9	3.2	3.4	1.3	1.9	2.0	0.4	1.1	1.2
JOHNSTOWN	17.7	4.6	4.8	1.3	1.2	1.5	0.4	2.8	3.1	0.9
LANCASTER	60.2	2.6	2.1	3.8	2.0	1.2	1.7	0.5	0.7	1.8
NORTHEAST	70.7	4.0	4.1	5.8	1.9	1.4	2.1	1.8	2.5	3.3
SCRANTON	28.1	5.5	3.9	6.2	2.3	1.4	2.2	3.1	2.4	3.9
WILKES-BARRE-HAZLETON	37.7	3.2	4.5	5.6	2.0	1.5	2.2	0.9	2.8	3.0
PHILADELPHIA	431.9	3.2	3.1	3.2	1.7	1.5	1.6	1.3	1.4	1.3
PITTSBURGH	238.9	3.1	3.0	5.0	0.8	0.7	0.7	2.0	1.9	4.0
READING	54.4	4.9	4.2	6.5	2.3	1.9	2.1	2.5	2.2	4.3
WILLIAMSPORT	15.8	1.7	1.4	2.5	0.8	0.7	1.2	0.8	0.6	1.1
YORK	66.4	3.8	4.3	5.0	2.1	1.8	1.7	1.4	2.1	2.9

Major Labor Market Area	Employment (Thousands)	Separation Rates								
		Total			Quits			Layoffs		
		Aug. 1981	Jul. 1981	Aug. 1980	Aug. 1981	Jul. 1981	Aug. 1980	Aug. 1981	Jul. 1981	Aug. 1980
PENNSYLVANIA	1,306.4	3.6	3.7	4.5	1.4	0.8	1.4	1.5	2.2	2.3
ALLENTOWN-BETHLEHEM-EASTON	106.1	3.0	3.9	4.5	1.3	0.9	1.3	0.9	2.3	2.4
ALTOONA	13.1	2.6	2.9	3.1	1.5	0.7	1.5	0.9	1.9	1.0
ERIE	40.5	3.7	2.4	3.2	2.0	0.7	1.0	0.4	0.9	1.3
HARRISBURG	42.8	3.0	3.1	3.3	1.3	0.9	2.0	1.0	1.5	0.7
JOHNSTOWN	17.7	4.9	5.7	1.4	0.7	0.7	0.8	3.1	4.1	0.3
LANCASTER	60.2	2.5	2.4	4.7	1.7	1.1	2.3	0.2	0.7	1.7
NORTHEAST	70.7	3.8	5.3	4.3	1.6	1.0	1.6	1.6	3.8	2.1
SCRANTON	28.1	3.1	6.2	3.4	1.6	1.1	1.6	1.1	4.8	1.4
WILKES-BARRE-HAZLETON	37.7	4.1	5.0	5.1	1.4	1.1	1.6	1.9	3.4	2.9
PHILADELPHIA	431.9	3.4	3.6	3.8	1.4	0.9	1.7	1.1	2.0	1.3
PITTSBURGH	238.9	3.8	3.1	5.7	0.8	0.3	0.8	2.1	1.9	3.9
READING	54.4	3.3	4.2	3.5	1.6	1.2	1.7	0.9	2.4	1.1
WILLIAMSPORT	15.8	2.5	1.7	9.0	0.8	0.2	1.0	1.4	0.9	7.4
YORK	66.4	3.5	3.2	3.3	2.1	1.1	1.8	0.6	1.4	0.9

TABLE 14. AVERAGE GROSS EARNINGS AND MANHOURS OF MANUFACTURING PRODUCTION WORKERS IN MAJOR LABOR MARKET AREAS

Major Labor Market Area	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980
PENNSYLVANIA	$331.57	$330.17	$299.15	39.1	39.4	38.7	$ 8.48	$ 8.38	$7.73
ALLENTOWN-BETHLEHEM-EASTON	336.49	336.78	307.04	38.5	38.8	38.0	8.74	8.68	8.08
ALTOONA	280.91	280.86	263.31	38.8	38.9	39.3	7.24	7.22	6.70
ERIE	350.73	350.99	321.18	40.5	41.1	40.4	8.66	8.54	7.95
HARRISBURG	302.62	310.87	294.03	38.6	39.5	40.5	7.84	7.87	7.26
JOHNSTOWN	326.90	335.02	311.07	38.1	37.6	36.9	8.58	8.91	8.43
LANCASTER	287.04	281.25	260.17	39.0	38.9	39.6	7.36	7.23	6.57
NORTHEAST	232.23	231.84	218.65	36.4	36.8	36.2	6.38	6.30	6.04
SCRANTON	233.60	230.89	215.16	37.8	38.1	36.1	6.18	6.06	5.96
WILKES-BARRE-HAZLETON	231.16	232.92	220.70	35.4	36.0	36.3	6.53	6.47	6.08
PHILADELPHIA	332.99	334.76	309.64	39.5	39.9	39.8	8.43	8.39	7.78
PITTSBURGH	416.31	420.16	368.94	39.8	40.4	39.0	10.46	10.40	9.46
READING	303.81	303.40	281.71	39.0	39.3	39.4	7.79	7.72	7.15
WILLIAMSPORT	304.55	302.51	275.73	39.5	39.7	39.0	7.71	7.62	7.07
YORK	310.02	310.58	276.69	40.9	41.3	40.1	7.58	7.52	6.90

TABLE 15. RESIDENT EMPLOYMENT AND UNEMPLOYMENT MAJOR LABOR MARKET AREAS

Area	Rate of Unemployment					
	Sept. 1981		Aug. 1981		Sept. 1980	
	Unadj.	Adj.	Unadj.	Adj.	Unadj.	Adj.
UNITED STATES	7.3	7.5	7.2	7.2	7.1	7.4
PENNSYLVANIA	8.2	8.2	7.7	7.6	7.9	8.0
ALLENTOWN-BETH-EASTON	7.4	7.6	7.6	7.2	7.2	7.4
ALTOONA	12.4	12.8	10.8	11.7	9.4	9.7
ERIE	9.5	10.0	9.0	9.4	9.3	9.7
HARRISBURG	5.9	5.9	5.7	5.7	5.9	5.8
JOHNSTOWN	11.6	11.8	10.9	10.5	11.9	12.1
LANCASTER	4.9	4.9	4.8	5.1	5.6	5.6
NORTHEAST	9.0	9.5	9.3	9.9	9.3	9.7
SCRANTON	7.2	7.7	7.9	8.4	8.4	9.1
W BARRE-HAZLETON	10.4	10.7	10.5	11.0	9.8	10.1
PHILADELPHIA	8.0	7.6	7.6	7.2	7.1	6.8
PITTSBURGH	7.2	7.3	6.3	6.5	7.9	8.0
POTTSVILLE	9.2	-	9.2	-	9.0	-
READING	7.1	7.4	7.0	7.0	7.4	7.8
UNIONTOWN-CONNELLSVLE	13.0	-	9.9	-	13.0	-
WILLIAMSPORT	11.8	12.6	11.1	11.9	10.4	11.2
YORK	7.5	8.1	7.0	6.7	6.6	7.1

(Thousands)

Area	Total Civilian Labor Force			Total Employment			Total Unemployment		
	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980
UNITED STATES	105,964.0	107,771.0	104,720.0	98,277.0	100,013.0	97,256.0	7,687.0	7,758.0	7,464.0
PENNSYLVANIA	5,394.0	5,530.0	5,382.0	4,953.0	5,103.0	4,954.0	441.0	427.0	427.0
ALLENTOWN-BETH-EASTON	307.2	311.0	303.8	284.6	287.3	282.0	22.6	23.7	21.8
ALTOONA	57.7	58.7	60.4	50.5	52.4	54.7	7.2	6.3	5.7
ERIE	124.1	125.7	127.5	112.3	114.4	115.7	11.8	11.3	11.8
HARRISBURG	228.8	236.0	220.5	215.2	222.7	207.6	13.6	13.4	13.0
JOHNSTOWN	104.4	107.3	109.4	92.3	95.6	96.4	12.2	11.7	13.1
LANCASTER	181.2	187.8	178.3	172.3	178.8	168.4	8.9	9.1	9.9
NORTHEAST	280.2	293.4	286.1	254.9	266.0	259.5	25.3	27.4	26.6
SCRANTON	101.4	106.6	104.6	94.1	98.2	95.7	7.3	8.4	8.8
W BARRE-HAZLETON	152.8	159.5	154.5	136.8	142.8	139.3	15.9	16.7	15.2
PHILADELPHIA	2,133.7	2,182.8	2,136.2	1,964.1	2,016.7	1,985.5	169.7	166.0	150.7
PITTSBURGH	1,027.5	1,052.5	1,019.5	953.6	986.2	938.8	73.9	66.3	80.7
POTTSVILLE	64.3	65.6	66.8	58.4	59.6	60.8	5.9	6.1	6.0
READING	159.6	161.5	155.7	148.3	150.2	144.1	11.3	11.3	11.6
UNIONTOWN-CONNELLSVLE	59.6	59.9	60.2	51.8	54.0	52.4	7.7	5.9	7.8
WILLIAMSPORT	52.7	53.7	53.3	46.5	47.7	47.7	6.2	6.0	5.5
YORK	180.1	182.4	176.4	166.6	169.7	164.8	13.5	12.7	11.7

TABLE 16. EMPLOYMENT IN MAJOR LABOR MARKET AREAS
ESTABLISHMENT DATA (Number of Jobs)
(Thousands)

1/ STATE and AREA data include persons involved in labor management disputes; not included in U.S. data.

Area	1/ Nonagricultural Wage and Salary			Private Sector *		
	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980
UNITED STATES	92,026.0	91,626.0	90,638.0	76,600.0	76,473.0	74,797.0
PENNSYLVANIA	4,699.4	4,691.7	4,737.1	4,000.7	3,996.5	4,022.6
ALLENTOWN-BETHLEHEM-EASTON	265.1	260.3	263.8	236.3	235.7	235.2
ALTOONA	49.4	49.7	50.3	42.4	42.5	42.6
ERIE	110.8	109.6	112.8	99.6	99.0	99.6
HARRISBURG	223.5	224.5	220.7	166.7	167.7	165.2
JOHNSTOWN	82.8	82.9	84.5	68.8	69.3	69.5
LANCASTER	153.6	154.1	153.8	140.8	141.1	139.4
NORTHEAST	237.2	240.5	239.8	201.3	202.3	202.6
SCRANTON	84.7	85.6	87.1	73.8	73.9	75.1
WILKES-BARRE-HAZLETON	122.1	123.7	122.4	105.2	104.8	104.5
PHILADELPHIA	1,901.4	1,904.4	1,896.4	1,611.9	1,605.5	1,605.8
PITTSBURGH	948.6	952.9	946.6	829.7	833.0	820.0
POTTSVILLE	45.9	45.8	48.0	39.1	38.7	40.5
READING	142.8	139.8	139.5	126.1	125.7	123.5
UNIONTOWN-CONNELLSVILLE	34.3	35.0	35.1	29.6	29.3	28.7
WILLIAMSPORT	46.2	46.0	47.6	40.0	40.2	41.1
YORK	157.1	156.2	157.0	139.7	139.5	139.3

Area	Manufacturing			Nonmanufacturing		
	Sept. 1981	Aug. 1981	Sept. 1980	Sept. 1981	Aug. 1981	Sept. 1980
UNITED STATES	20,665.0	20,486.0	20,212.0	71,361.0	71,140.0	70,426.0
PENNSYLVANIA	1,309.0	1,306.4	1,300.8	3,365.0	3,382.6	3,402.9
ALLENTOWN-BETHLEHEM-EASTON	106.6	106.1	107.0	158.2	154.0	155.9
ALTOONA	13.2	13.1	12.5	36.2	36.6	37.7
ERIE	41.5	40.5	40.8	68.8	68.6	71.4
HARRISBURG	42.8	42.8	42.3	180.7	181.7	178.4
JOHNSTOWN	17.1	17.7	17.8	65.5	65.0	65.6
LANCASTER	60.5	60.2	58.9	93.1	93.9	94.9
NORTHEAST	70.8	70.7	71.2	166.4	169.6	168.6
SCRANTON	28.3	28.1	28.1	56.4	57.4	59.0
WILKES-BARRE-HAZLETON	37.6	37.7	38.3	84.5	85.9	84.1
PHILADELPHIA	432.4	431.9	432.3	1,447.0	1,471.8	1,439.2
PITTSBURGH	237.0	238.9	230.8	710.5	713.2	712.8
POTTSVILLE	19.8	19.9	20.2	25.9	25.7	27.8
READING	54.9	54.4	53.9	87.9	85.4	85.4
UNIONTOWN-CONNELLSVILLE	7.1	7.0	6.7	26.9	27.9	28.3
WILLIAMSPORT	15.8	15.8	16.6	30.4	30.2	31.0
YORK	66.6	66.4	65.6	90.5	89.8	91.3

* Excludes Government employment